

# Caitlyn C. Oliver Brown

## Curriculum Vitae

Department of Biology, University of New Mexico, Albuquerque, NM

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### EDUCATION

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- 2024-present    **PhD Biology**  
Department of Biology, University of New Mexico  
Advisor: Dr. Michael Andersen
- 2021-2024      **MSc Biology**  
Department of Biology and Wildlife, University of Alaska Fairbanks  
Thesis title: *Divergence and adaptation in Alaska birds*  
Advisor: Dr. Kevin Winker
- 2014-2019      **BSc Biology**, concentration in ecology and evolution, *summa cum laude*  
Department of Biology, San Jose State University  
Advisor: Dr. Ben Carter

### PROFESSIONAL EXPERIENCE

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- 2025- present   Graduate curatorial and teaching assistantships, University of New Mexico
- 2021- 2024      Graduate curatorial assistantship, University of Alaska Museum
- 2021              Wildlife Technician, University of Wisconsin Madison
- 2020              Field Technician, USGS Western Ecological Research Center
- 2019              Summer Intern, Siskiyou Deer and Puma Project

### PUBLICATIONS

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2. **Oliver Brown, C.C.**, Collier, K.A., Tan, D.X.J., Mills, K.K., Spaulding, F., Glenn, T.C., Pruett, C.L., & Winker, K. (2025). Evidence of positive selection and a novel phylogeny among five subspecies of song sparrow (*Melospiza melodia*) in Alaska. *PeerJ*, 13, e19986. <https://peerj.com/articles/19986/>
1. **Oliver Brown, C. C.**, Glenn, T. C., & Winker, K. (2025). Gene flow accompanies divergence in Beringian birds. *Molecular Ecology*, 34(18), e70056. <https://doi.org/10.1111/mec.70056>.

### PRESENTATIONS

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**Oliver Brown, C.C.**, T.C. Glenn, & K. Winker. Gene flow accompanies divergence in Beringian birds. American Ornithological Society Annual Meeting; Oct 1-6, 2024. Oral presentation.

**Oliver Brown C.C.**, Collier K.A., Mills K.K., Spaulding F., Glenn T.C., Pruett C.L., Winker K. Evidence of positive selection and a novel phylogeny among five subspecies of Song Sparrow (*Melospiza melodia*) in Alaska. Alaska Bird Conference; Dec 11-14, 2023. Oral presentation.

**Oliver Brown C.C.**, Collier K.A., Mills K.K., Spaulding F., Glenn T.C., Pruett C.L., Winker K.  
Phenotypic and genomic variation in five subspecies of Song Sparrow (*Melospiza melodia*) in  
Alaska. American Ornithological Society and the Society of Canadian Ornithologists Joint  
Meeting; Aug 8-12, 2023. Oral presentation.

**Oliver Brown, C.C.**, Carter B.E. Testing for population-level morphological variation of museum  
specimens of Clark's Nutcrackers (*Nucifraga columbiana*). American Ornithological Society  
Annual Meeting; June 24-28, 2019. Poster.

## TEACHING EXPERIENCE

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### *University of New Mexico*

2026 BIOL 406L/506L Global Avian Diversity and Systematics (26 undergrad/grad students)

### *University of Alaska Fairbanks*

2023 BIOL F426 Ornithology (14 undergraduate students)

## FIELD EXPERIENCE

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2023 Alaska: Aleutian Islands, collecting (10 & 14 days)  
2021 California: Sierra Nevada Mountains, wildlife technician (3 months)  
2020 California & Nevada: wildlife technician (4 months)  
2019 California: Cascade Range, wildlife intern (2 months)

## GRANTS AND FUNDING

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2025 UNM Biology Department: Alvin R. and Caroline G. Grove Research Grant (\$1,000)  
2025 UNM Graduate Research Allocations Committee Research Award (\$400)  
2024 Museum Research Traineeship, University of New Mexico (\$34,000)  
2023 UAF Graduate School Travel Grant (\$1500)  
2023 ASUAF Travel Grant (\$700)  
2023 Betty A. Anderson Memorial for Avian Studies (\$2500)  
2023 Jim Stelmock Memorial Scholarship (\$1000)  
2023 American Ornithological Society Travel Grant (\$900)  
2019 American Ornithological Society Travel Grant (\$400)

## TECHNICAL SKILLS

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- Curatorial skills: field collection (~140 specimens), museum preparation (~300 specimens)
- Bioinformatics software: GATK, Phyluce, δaδi
- Computer skills: command line, R programming, Python scripting
- DNA extraction
- Remote field work

## SERVICE & OUTREACH

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2022-present Letters to a Pre-Scientist pen-pal ([www.prescientist.org/](http://www.prescientist.org/))

### **University of New Mexico**

2025- present Committee for Culture and Climate co-chair, Biology Graduate Student Association

2025- present Secretary, Biology Graduate Student Association

**University of Alaska Museum**

2023 Halloween at the Museum  
2023 Family Day- Feathers  
2023 Museum Open House

**University of Alaska Fairbanks**

2022 Outreach Coordinator, Biology Graduate Student Association  
2022-2024 Planning Committee, Midnight Sun Science Symposium

**San Jose State University**

2018-2019 Volunteer curatorial work, Vertebrate Collections

**Society Memberships**

American Ornithological Society  
Society for the Study of Evolution  
Society of Systematic Biologists

**ACADEMIC AWARDS**

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President's Scholar, San Jose State University (Spring 2015, Spring 2019)  
Dean's Scholar, San Jose State University (Fall 2015, Spring 2016, Fall 2016)